

09-13-04

IFW

To: UNITED STATES DEPARTMENT OF COMMERCE

September 8, 2004

PATENT AND TRADEMARK OFFICE

P.O. Box 1450 Alexandria, Virginia 22313-1450

Attention: Commissioner of Patents

Re: U.S. Patent Application No. 10/ 713,607

Inventor: Barshi Ko

Office Address: Pan-Chiao P.O. Box 2-83, Taipei Hsien, 220 Taiwan

Dear Sirs:

I have received the Office Action to the above-mentioned patent application.

Enclosed herewith is a response for the above Office Action of August 7, 2004.

Further the Claims and Drawings of this patent application has been corrected appropriately and attached with this letter. Please check it.

Very truly yours,

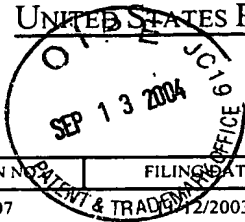
Barshi Ko

Barshi Ko



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,607	12/2003	Barshi Ko		2506

7590 07/08/2004

BARSHI KO
PAN-CHIAO
P.O. BOX 2-83
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EXAMINER

GALL, LLOYD A

ART UNIT PAPER NUMBER

3676

DATE MAILED: 07/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



Office Action Summary	Application No. 10/713,607	Applicant(s) KO, BARSHI
	Examiner Lloyd A. Gall	Art Unit 3676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 November 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

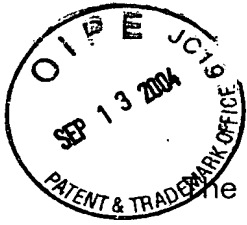
- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

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**DETAILED ACTION**

The drawings are objected to because the front plug 2 in figure 2 should be illustrated as having a key hole in its front to accept the key (see page 6, line 15). Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claims 1-3 are objected to because of the following informalities: On page 6, line 4, "close" should be replaced with --closed--. On page 6, line 6, "close" should be replaced with --closed--. On page 6, line 13, "on" should be replaced with --the--. On page 6, line 18, "can be" should be replaced with --capable of being--. On page 6, line

21, "side" should be replaced with --sides--. On page 6, line 21, "front plug is" should be replaced with --locating retainer are--. On page 6, line 21, "to make" should be replaced with --such that--. On page 6, line 22, "on" should be replaced with --in--. On page 6, line 22, "grove" should be replaced with --groove--. In the last line of page 6, "front plug have" should be replaced with --locating retainer has--. Appropriate correction is required.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gallagher (055) in view of DeWalch et al (703) and Wilkin (953).

Gallagher teaches in figure 5 an anti-twist key lock including a key lock case 35, a closed end at the left side, an open end on the right side, a through hole 37 to receive a locking bar 32 and a spring 69, a locking tumbler set 40, 43 having an interlocking post 44 to retract the locking bar 32 with key rotation, a front plug 61 to receive the key, the front plug including a threaded fitting part and a locating retainer 65. DeWalch et al teaches a front plug 8 having a fitting part which can be pushed into the lock case 7, and receiving a retainer clip 56 in a receiving groove 58 such that the front plug 8 may rotate freely. Wilkin teaches a retainer clip 10, 11 having a wavy shape along its sides as seen in figure 3 and having retaining grooves at 13 in figure 3 to receive the spring 12, wherein the lock case 6 includes a slit 9 and opposite inner groove 9, and the front

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plug 3 includes a receiving groove 14 to receive the clip. It would have been obvious to one of ordinary skill in the art at the time the invention was made to substitute a clip and receiving groove for the retainer 65 of Gallagher, in view of the teaching of DeWalch et al, the motivation being to allow the front plug 61 of Gallagher to freely rotate, to thwart tampering attempts with the lock. It would have been obvious to one of ordinary skill in the art at the time the invention was made to substitute the locating retainer clip and slits/grooves 9 of Wilkin for the clip 56 of Gallagher as modified by DeWalch, the motivation being to simplify assembly of the locating retainer between the lock case and receiving groove of the front plug.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lloyd A. Gall whose telephone number is 703-308-0828. The examiner can normally be reached on Monday-Friday, 8:30-5:00.

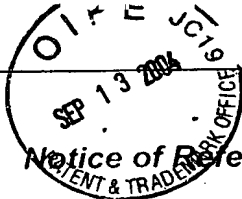
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on 703-308-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LG LG-
June 23, 2004

Shirley A. Hall
Shirley A. Hall
Primary Examiner



Application/Control No.

10/713,607

Applicant(s)/Patent Under
Reexamination
KO, BARSHI

Examiner

Lloyd A. Gall

Art Unit

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Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-1,414,348	05-1922	MORRIS FALK	70/419
	B	US-1,637,953	08-1927	MAXWELL MAXWELL C	70/367
	C	US-1,674,513	06-1928	JACOBI EDWARD N	70/373
	D	US-2,059,129	10-1936	MAXWELL MAXWELL C; et. al.	70/493
	E	US-2,563,950	08-1951	FRED MARTIN	70/452
	F	US-3,863,476	02-1975	Patriquin, George P.	70/419
	G	US-4,742,703	05-1988	DeWalch et al.	70/366
	H	US-4,838,055	06-1989	Gallagher, Francis E.	70/208
	I	US-4,866,964	09-1989	Hall, Charles E.	70/369
	J	US-4,918,950	04-1990	Foshee, William R.	70/38A
	K	US-4,998,953	03-1991	Wilkin, Clive J.	70/452
	L	US-5,020,349	06-1991	Lee, Miko	70/491
	M	US-5,038,589	08-1991	Martin, Frank J.	70/368

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	1573494	07-1969	France	-----	70/367
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



Notice of References Cited

Application/Control No.

10/713,607

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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,212,972	05-1993	Kincaid et al.	70/208
	B	US-5,345,794	09-1994	Jenks, Bruce	70/14
	C	US-5,410,899	05-1995	McConnell, Kenneth L.	70/370
	D	US-5,802,896	09-1998	Tsai, Ching-Tien	70/417
	E	US-5,987,942	11-1999	Ichinose, Mikio	70/208
	F	US-6,058,752	05-2000	Feder, George N.	70/419
	G	US-6,105,405	08-2000	Westwinkel, Florian	70/371
	H	US-6,185,966	02-2001	Chen, Waterson	70/366
	I	US-6,523,378	02-2003	Kuo, Lambert	70/360
	J	US-6,568,229	05-2003	Heinrich, Thomas	70/370
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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	N					
	O					
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